

PITT PENN OIL CO -- PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFRE

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MSDS Safety Information  
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FSC: 6850  
NIIN: 01-464-9096  
MSDS Date: 04/23/2000  
MSDS Num: CKZPJ  
Product ID: PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFREEZE, PREMIXED  
MFN: 03  
Responsible Party  
Cage: 0A1G5  
Name: PITT PENN OIL CO  
Address: 426 FREEPOR  
T RD  
Box: 296  
City: CREIGHTON PA 15030-0296  
Info Phone Number: 724-226-2712  
Emergency Phone Number: 1-800-255-3924 (CHEM TEL)

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Item Description Information  
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Item Manager: S9G  
Item Name: ANTIFREEZE  
Unit of Issue: DR  
Quantitative Expression: 00000000055GL  
UI Container Qty: 1  
Type of Container: DRUM

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Ingredients  
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Name: \*\*\* PROPRIETARY \*\*\*  
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Health Hazards Data  
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LD50 LC50 Mixture: ORAL RAT LD50: 4.7-8.5 G/KG  
Effects of Exposure: EYES: BELIEVED TO CAUSE SLIGHT EYE IRRITATION. SKIN:  
BELIEVED TO BE SLIGHTLY IRRITATING UPON PROLONGED CONTACT. RESPIRATORY  
SYSTEM: DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS POSSIBLE UPON EXPOSURE TO  
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HIGH CONCENTRATIONS IN POORLY VENTILATED CONFINED SPACES. CHRONIC: LIVER AND KIDNEY DAMAGE IN A 2 YEAR RAT FEEDING STUDY USING 1-2% ETHYLENE GLYCOL. ORAL ADMINISTRATION OF VERY HIGH DOSES OF ETHYLENE GLYCOL PRODUCED BIRTH DEFECTS IN LABORATORY ANIMALS. SENSITIZATION PROPERTIES: SKIN: UNKNOWN. RESPIRATORY: UNKNOWN.

Signs And Symptoms Of Overexposure: EYES: IRRITATION. SKIN: IRRITATION. RESPIRATORY SYSTEM: DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS. INGESTION: BASED ON ANIMAL STUDIES:

LIVER AND KIDNEY DAMAGE, BIRTH DEFECTS.

Medical Cond Aggravated By Exposure: NOT PROVIDED.

First Aid: EYES: IMMEDIATELY FLUSH WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES AND CALL A PHYSICIAN. SKIN CONTACT: REMOVE EXCESS WITH CLOTH OR PAPER TOWEL. WASH THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. RESTORE AND/OR SUPPORT BREATHING AS REQUIRED. KEEP VICTIM WARM AND AT REST. SWALLOWED: IMMEDIATELY CONTACT A PHYSI

CIAN, POISON CONTROL CENTER OR EMERGENCY

TREATMENT CENTER. DO NOT INDUCE VOMITING! ASPIRATION HAZARD: PRODUCT MAY BE INHALED INTO LUNGS IF VOMITED.

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Handling and Disposal

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Spill Release Procedures: CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. EMERGENCY TELEPHONE NUMBER-CHEM TEL, INC.: 1-800-255-3924.

Neutralizing Agent: NOT RELEVANT

Waste Disp

osal Methods: UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF PRODUCTS TO DETERMINE, AT THE TIME OF DISPOSAL, WHETHER PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. THIS IS BECAUSE PRODUCT USES TRANSFORMATION S, MIXTURE, PROCESSES, ETC., MAY RENDER THE RESULTING MATERIAL HAZARDOUS. DISPOSE OF WASTE IN ACCORD ANCE WITH FEDERAL, STATE, AND LOCAL LAWS.

Handling And Storage Precautions: MINIMUM FEASIBLE HANDLING TEMPERATURE SHOULD BE MAINTAINED. PERIODS OF EXPOSURE TO HIGH TEMPERATUR E SHOULD BE MINIMIZED.

WATER CONTAMINATION SHOULD BE AVOIDED.

Other Precautions: HARMFUL OR FATAL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN. MAY CAUSE IRRITATION TO EYES. DO NOT DRINK ANTIFREEZE OR SOLUTION. AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING. DO NOT STORE I N OPEN OR UNLABELED CONTAINERS. ETHYLENE GLYCOL HAS PRODUCED BIRTH DEFECTS IN RODENTS. DO NOT STORE NEAR FOOD.

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Fire and Explosion Hazard Information

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Flash Point Method: COC

Flash Point: >128.C, 262.4F

Autoignition Temp: >413.C, 775.4F

Lower Limits: 3.2

Upper Limits: 15.3

Extinguishing Media: USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures: ACCORDING TO THE NATIONAL FIRE PROTECTION ASSOCIATION GUIDE, USE WATER SPRAY, DRY CHEMICAL, FOAM OR CARBON DIOXIDE. WATER OR FOAM MAY CAUSE FROTHING. USE WATER SPRAY TO DISPERSE THE VAPORS AND TO PROVIDE PRO

TECTION FOR PERSON ATTEMPTING TO STOP THE LEAK.

Unusual Fire/Explosion Hazard: PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: CARBON MONOXIDE AND CARBON DIOXIDE MAY BE FORMED ON BURNING IN LIMITED AIR SUPPLY.

#### Control Measures

Respiratory Protection: SUPPLIED AIR RESPIRATORY PROTECTION FOR CLEANING LARGE SPILLS OR UPON ENTRY INTO TANKS, VESSELS, OR OTHER CONFINED SPACES.

Ventilation: NORMAL TO MAINTAIN EXPOSURE BELOW TLV.

Eye Protection: CHEMICAL TYPE GOGGLES OR FACE SHIELD OPTIONAL.

Work Hygienic Practices: EXPOSED EMPLOYEES SHOULD EXERCISE PERSONAL CLEANLINESS; INCLUDING CLEANSING EXPOSED SKIN SEVERAL TIMES DAILY WITH SOAP AND WATER, AND LAUNDERING OR DRY CLEANING SOILED WORK CLOTHING AT LEAST WEEKLY.

Supplemental Safety and Health: PID DATA, RECYCLED 60 / 40 BLEND ANTIFREEZE: A MINIMUM OF 50% OF THE ETHYLENE GLYCOL USED IN PRODUCING THE ANTIFREEZE SH ALL HAVE BEEN RECYCLED AT A PERMITTED RCRA FACILITY BY MEANS OF FRACTIONAL DISTILLATION, ION EXCHANGE, OR REVERSE OSMOSIS (FP D).

#### Physical/Chemical Properties

HCC: V5

NRC/State LIC No: NOT RELEVANT

Boiling Point: =110.C, 230.F

M.P/F.P Text: NOT PROVIDED

Decomp Temp: >412.8C, 775.F

Vapor Pres: 18 MMHG @ 68F/20C

Vapor Density: 2.14(AIR=1)

Spec Gravity: 1.100 (H2O=1)

PH: (NEAT) 10

Evaporation Rate & Reference: NOT DETERMINED

Solubility in Water: SOLUBLE

Appearance and Odor: PID DATA: REQUIRED COLOR IS GREEN TO BLUE-GREEN LIQUID (FP D).

Percent Volatiles by Volume: NIL

Corrosion Rate: NOT PROVIDED

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Reactivity Data  
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Stability Indicator: YES

Stability Condition To Avoid: HIGH TEMPERATURES ABOVE 413C (775F) (PRODUCT CAN DECOMPOSE).

Materials To Avoid: MA

TERIAL REACTS VIOLENTY WITH STRONG OXIDIZERS,

Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE MAY BE FORMED ON BURNING IN LIMITED AIR SUPPLY.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: DO NOT OCCUR.

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Toxicological Information  
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Toxicological Information: MEDIAN LETHAL DOSE: (LD50 LC50 X SPECIES): ORAL: BELIEVED TO BE 4.7-8.5 G/KG (RAT); MODERATELY TOXIC. INHALATION: NOT DETERMINED. DERMAL: BELIEVED TO BE 1-3 G/KG (RABBIT); SLIGHTLY TOXIC. OTHER: NOT DETERMINED. IRRITATION INDEX/ ESTIMATION OF IRRITATION (SPECIES): SKIN: BELIEVED TO BE 0.5-1.8/ 8.0 (RABBIT); SLIGHTLY IRRITATING. EYES: BELIEVED TO BE 15-25/ 110 (RABBIT); SLIGHTLY IRRITATING. PERMISSIBLE CONCENTRATIONS IN AIR: 10 MG/M3 FOR PARTICULATE MIST; 50 PPM (125 MG/ M3) CEILING LIMIT FOR ETHYLENE GLYCOL (ACGIH 1984-1985).

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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Sara Title III Information: SARA 313: CONTAINS FOLLOWING SUBSTANCE WHICH IS LISTED IN TITLE III: ETHYLENE GLYCOL. SA

RA HAZARD CATEGORY: AN IMMEDIATE

HEALTH HAZARD. A DELAYED HEALTH HAZARD.

Federal Regulatory Information: ALL COMPONENTS LISTED ON BOTH TSCA (USA) AND DSL (CANADA) INVENTORY. 1,2-ETHANEDIOL (ETHYLENE GLYCOL), CAS# 107-21-1 IS HAZARDOUS ACCORDING TO OSHA (1910.1200).

State Regulatory Information: 1,2-ETHANEDIOL (ETHYLENE GLYCOL) HAZARDOUS ACCORDING TO ONE OR MORE STATE RIGHT-TO-KNOW LIST SPECIFIC.

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Other Information  
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Other Information: NONE  
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Transportation Information  
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Responsible Party Cage: 0A1G5

Trans ID NO: 156204

Product ID: PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFREEZE, PREMIXED

MSDS Prepared Date: 04/23/2000

Review Date: 03/13/2001

MFN: 3

Net Unit Weight: 505 LBS

Multiple KIT Number: 0

Unit Of Issue: DR

Container QTY: 1

Type Of Container: DRUM

Addition

al Data: TRANSPORTATION DATA PER MANUFACTURER'S MSDS.  
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Detail DOT Information  
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DOT PSN Code: ZZZ

DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail IMO Information  
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IMO PSN Code: ZZZ

IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATION  
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Detail IATA Information  
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IATA PSN Code: ZZZ

IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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Detail AFI Information  
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AFI PSN Code: ZZZ

AFI Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION  
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HAZCOM Label

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Product ID: PITT PENN PREMIUM HEAVY DUTY MILITARY ANTIFREEZE, PREMIXED

Cage: 0A1G5

Company Name: PITT PENN OIL CO

Street: 426 FREEPORT RD

PO Box: 296

City: CREIGHTON PA

Zipcode: 15030-0296

Health Emergency Phone: 1-800-255-3924 (CHEM TEL)

Label Required IND: Y

Date Of Label Review: 03/13/2001

Status Code: A

Label Date: 03/13/2001

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IN

D: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Slight

Contact Hazard: Slight

Fire Hazard: Slight

Reactivity Hazard: None

Hazard And Precautions: EYES: SLIGHT IRRITATION. SKIN: SLIGHTLY IRRITATING.

INHALATION: MAY CAUSE DROWSINESS, NARCOSIS, AND UNCONSCIOUSNESS AT HIGH CONCENTRATIONS IN POORLY VENTILATED SPACES. INGESTION: ANIMAL STUDIES INDICATE LIVER AND KIDNEY DAMAGE AND FOR VERYHIGH DOSES BIRTH DEFECTS IN LABORATORY ANIMALS. FIRST AID: EYES: FLUSH WELL WITH

WATER. GETMEDICAL ATTENTION. SKIN:

REMOVE EXCESS, THEN WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET

MEDICAL ATTENTION. INHALATION: MOVE TO FRESH AIR.RESTORE AND/ OR SUPPORT

BREATHING AS REQUIRED. GET MEDICAL ATTENTION. INGESTION: GET MEDICAL

ATTENTION. DO NOT INDUCE VOMITING.

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